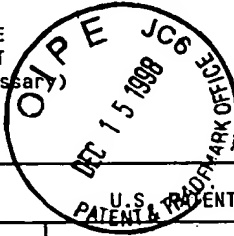


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PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
09010/006001SERIAL NO.
08/651,568INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)APPLICANT:
Jay ShortFILING DATE
5/22/96GROUP
1652

(37 CFR 1.98(b))



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5	8	3	7	4	5	8	11/17/98	Minshull et al.	435	6	
we	AB	5	8	3	0	7	2	1	11/3/98	Stemmer et al.	435	172.1	
we	AC	5	8	1	1	2	3	8	9/22/98	Stemmer et al.	435	6	
we	AD	5	6	0	5	7	9	3	2/25/97	Stemmer	435	6	
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
we	AL	WO 91/16427	10/31/91	PCT	~	~		
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OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

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3/4/99

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Notice of References Cited

Application No.
08/651,568

Applicant(s)
Short, J.

Examiner
Nashaat T. Nashed

Group Art Unit
1814

Page 1 of 1

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	5,500,363	3/19/96	Comb et al.	435	194
B					
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FOREIGN PATENT DOCUMENTS

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NON-PATENT DOCUMENTS

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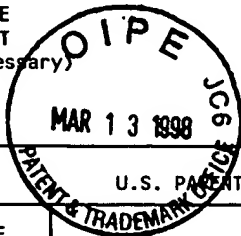


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Jay M. Short

FILING DATE
05/22/1996

GROUP
1814

(37 CFR 1.98(b))

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EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	5 5 0 0 3 6 3	3/19/96	Comb, et al. <i>dupl. in Paper No. 8</i>	435	194	
AB	5 3 5 2 7 7 8	10/4/94	Comb, et al.	536	23.2	
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

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Applicant(s)

Short

Examiner

Kawai Lau

Group Art Unit

1652

Page 1 of 1

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	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	5,316,935	5/94	Arnold et al.	435	222
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NON-PATENT DOCUMENTS

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
u	Zhou, Y. et al. (1991) "Random mutagenesis of gene-sized DNA molecules by use of PCR with Taq DNA polymerase" Nucleic Acids Research, Vol. 19, no. 21, pg. 6052.	11/91
v	Kirshtein, J.D. et al. (1991) "Amplification, cloning, and sequencing of a nifH segment from aquatic microorganisms and natural communities" Applied and Environmental Microbiology, Vol. 57, no. 9, pp. 2645-2650.	9/91
w	Ueda, T. et al. (1995) "Remarkable N2-fixing bacterial diversity detected in rice roots by molecular evolution analysis of nifH gene sequences" Journal of Bacteriology, Vol. 177, No. 5, pp. 1414-1417.	3/95
x	Hennecke, H. et al. (1985) "Concurrent evolution of nitrogenase genes and 16S rRNA in Rhizobium species and other nitrogen fixing bacteria" Archives of Microbiology, Vol. 142, pp. 342-348.	1985

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GROUP
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(37 CFR 1.98(b))

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NE	AA	5	5	0	0	3	6	3	3/19/96	Comb, et al.	435	194	
NE	AB	5	3	5	2	7	7	8	10/4/94	Comb, et al.	536	23.2	
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EXAMINER

N. Short

DATE CONSIDERED

1/24/01

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Nashaat T. Nashed

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FOREIGN PATENT DOCUMENTS

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S						
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NON-PATENT DOCUMENTS

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
U	Osuna et al. "Combinatorial mutagenesis of three major groove-contacting residues of EcoRI:" Gene 106, 7-12.	1991
V	Dube et al. Artificial mutant generated by the insertion of random oligonucleotides into the putative" Biochemistry 30, 11760-11767.	1991
W		
X		